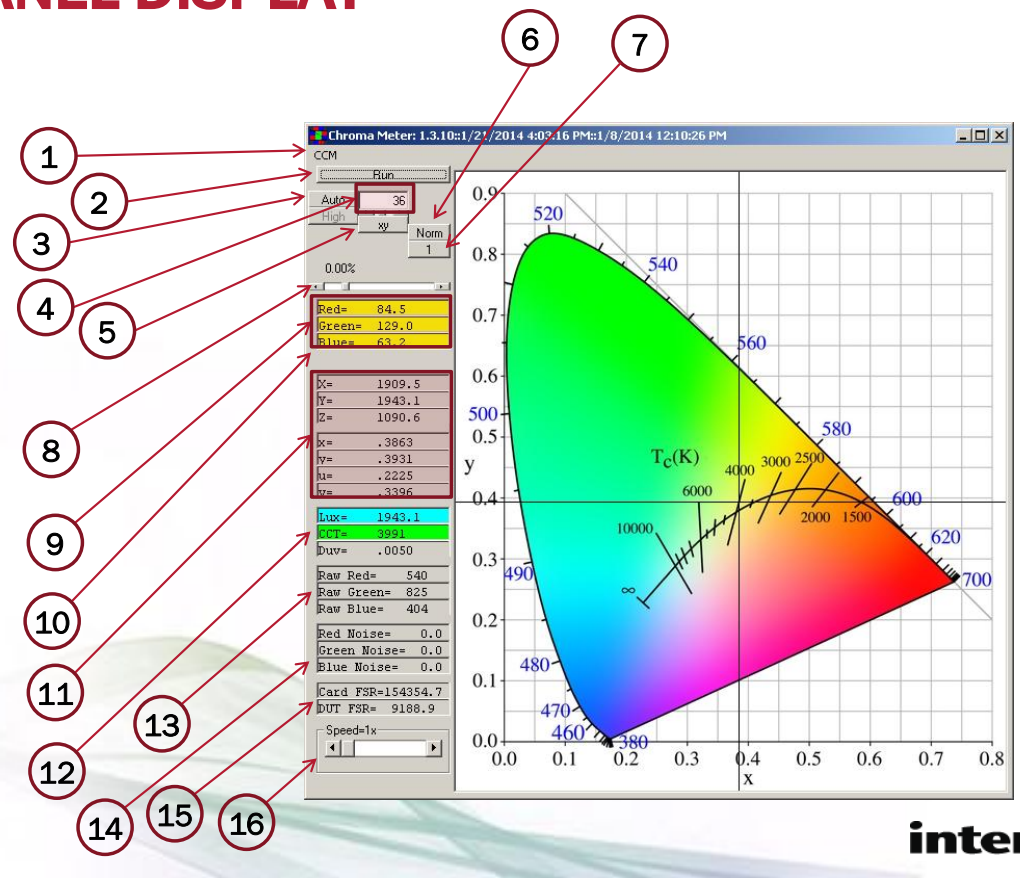
PANEL DISPLAY



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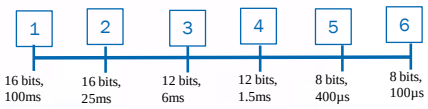
PANEL DISPLAY

1. CCM: allows to load new coefficients if users have a custom system setup
2. Run button: by default sensor will run continuously. When pressed, data will be held at the last value.
3. Auto button: Auto ranges from range0 to range1 or once it is toggled to “Fixed” Then sensor can do single range depending on user selection.
4. xy button: shows Planckian locus graph in xy coordinate system on the right hand side (colored graph) or once it is toggled, then uv-coordinates will be displayed (colored graph).
5. Compensation: Scroll-bar allows user to set compensation value for sensor under different light sources. Display window shows compensation value. Range is between 0-127.
6. Selects between normal and maximum high sensitivity on the low range only.
7. Enables 32 sample averaging
8. Allows user to change absolute gain of corrected lux value to match the Lux Meter (CL-200 or T-10) . The absolute gain can be changed to +/-500%.
9. Raw data of Red, Green and Blue read from ISL29125 in percentage of full scale per range.
10. dIR: percentage IR value changes relative to full scale from compensation=0. The higher IR value in the display window means sensor is under stronger IR-content lamp.
11. XYZ displays show corrected value Lux value which transfers from raw RGB to XYZ. xy/uv displays show corrected xy /uv coordinate system of sensor to Planckian locus
12. Lux Display shows corrected lux which has been transformed = Y. CCT displays shows color temperature of light source.
13. Raw ADC output code
14. RMS noise of raw RGB values in %/value
15. Card/DUT FSR: Full scale (in Lux) of the evaluation card and the sensor (internal to the card)
16. Speed: Let’s the user select the number of ADC bits and the speed of the conversion.



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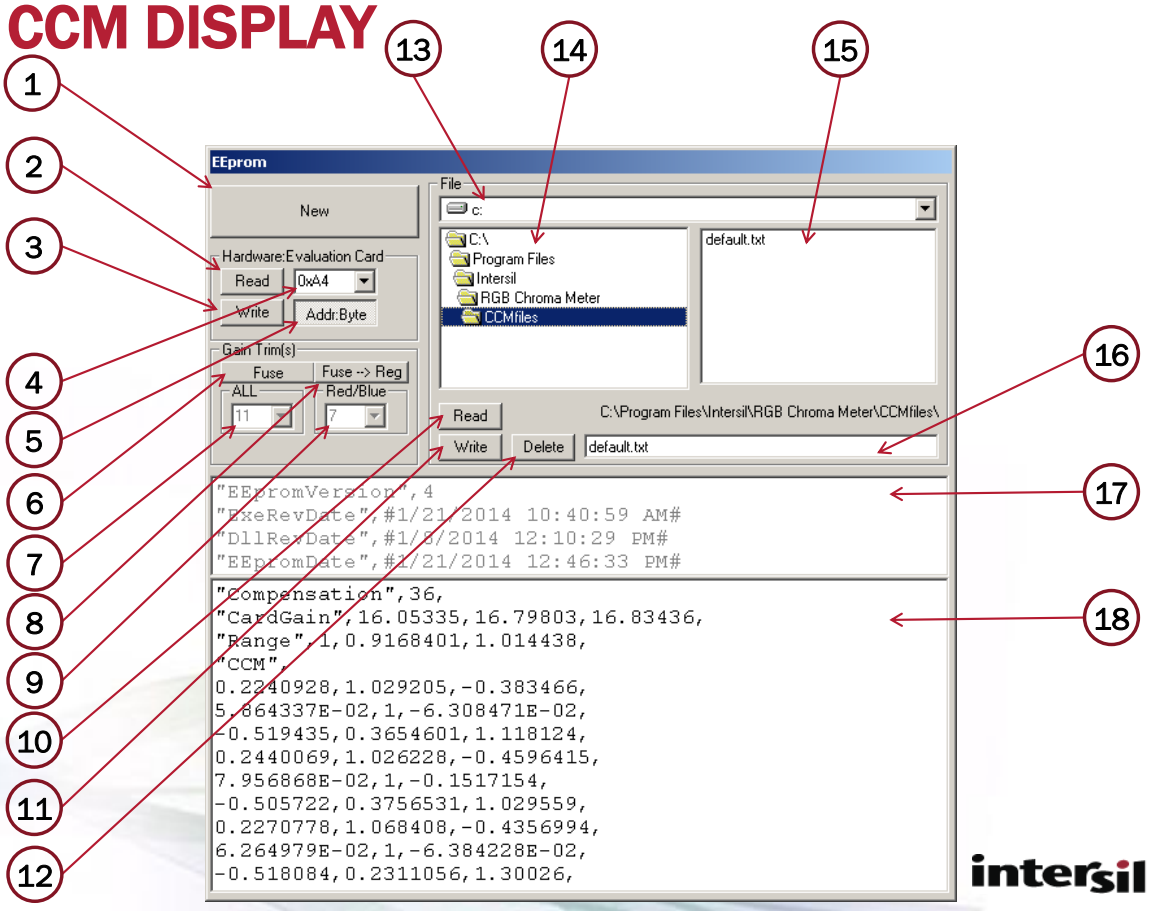
CCM DISPLAY



CCM DISPLAY

1. New
2. Hardware Read
3. Hardware Write
4. Address Select
5. Byte/Word Address mode
6. Fuse/Reg Select
7. Fuse Trim MSB nibble (ALL – Coarse) ±22.5% (3% resolution)
8. Copy Fuse set to Reg
9. Fuse Trim LSB nibble (Fine – R&B only) ±6% (0.8% resolution)
10. File Read
11. File Write
12. File Delete
13. Drive select
14. Directory select
15. File Select
16. File display/edit
17. Header contents (read only)
18. Calibration values